

Title: JP06120039A2: INDUCTOR AND ITS MANUFACTURING METHOD

Derwent Title: Inductor of reduced size - has external magnetic cylinder coil, electrode and internal magnetic rod, facilitating mfr. [Derwent Record]

Inventor: MATSUZAWA HIDEKI;

Assignee: TOKIN CORP

Published / Filed: 1994-04-28 / 1992-10-02

Application Number: JP1992000264481

IPC Code: H01F 17/04; H01F 1/34; H01F 17/00; H01F 41/04;

Priority Number: 1992-10-02 JP1992000264481

Abstract: PURPOSE: To obtain an inductor easy to be manufactured having excellent characteristics and capable of being miniaturized.

CONSTITUTION: A magnetic core is composed of a cylindrical outer magnetic body 1 and a bar type inner magnetic body 4 to be inserted into the outer magnetic body 1. A spiral trench is formed on the inner peripheral surface of the outer magnetic body 1. The diameter of the inner magnetic body 4 is specified to adhere closely to the inner periphery of the outer magnetic body 1. A coil 5 is to be buried in the trench of the outer magnetic body 1. This coil 5 formed by filling up the trench with a molten conductor after the insertion of the inner magnetic body 4 into the outer magnetic body 1. Finally, an electrode 6 connecting to the coil 5 is provided in the aperture edge on both ends of the outer magnetic body 1.

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